SEARCH REQUEST FORM

Requestor's Name: BERCH

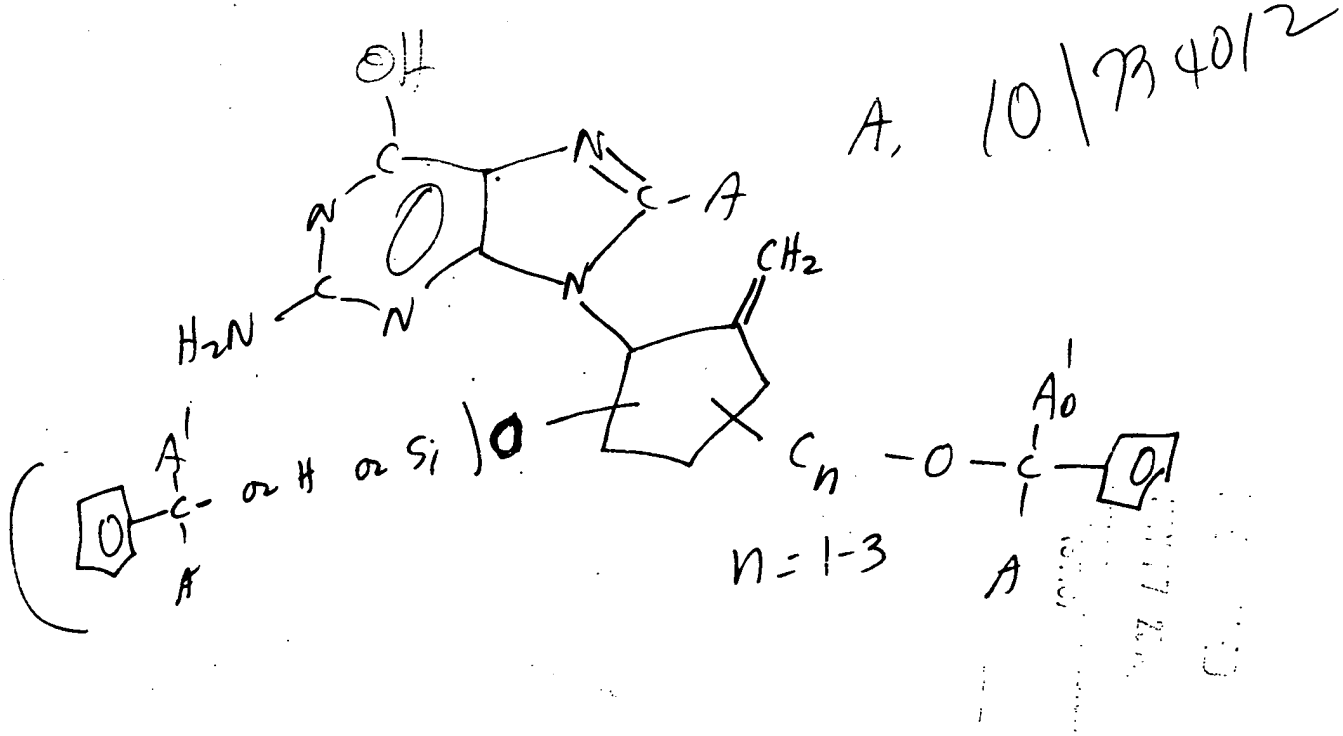
Serial Number: US03/10395545

Date: 5/17/04 Phone: 571-272-0663 Art Unit: 1624

Office Rem 5C01 Mailbox 5C18

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevent citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevent claim(s).



Claim 56

#5 of 6

STAFF USE ONLY

Date completed: 5-20-04

Searcher: BOB

Search Site: ____ STIC

Vendors: ____ IG

STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact ***the searcher or contact***:

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 1610*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found**:*
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library, Remsen Bldg.

```
=> fil reg; d stat que l9; fil capl uspatf toxcenter; s l9
FILE 'REGISTRY' ENTERED AT 14:47:54 ON 20 MAY 2004
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES:   19 MAY 2004  HIGHEST RN 683745-80-4
DICTIONARY FILE UPDATES:  19 MAY 2004  HIGHEST RN 683745-80-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

L3                STR
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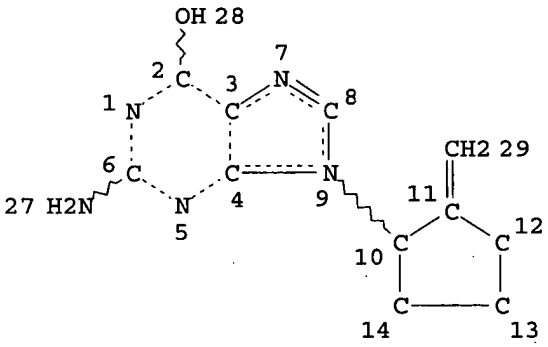

full file search done on this structure

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NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  17

STEREO ATTRIBUTES: NONE
L5            14 SEA FILE=REGISTRY SSS FUL L3
L7               STR
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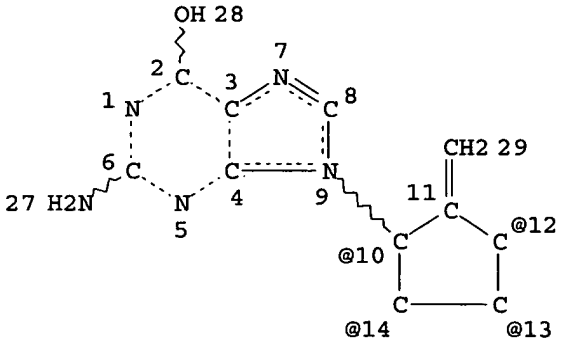
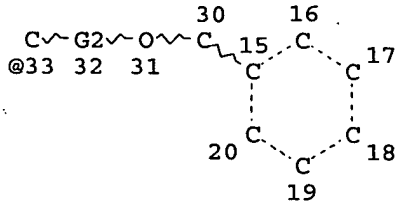
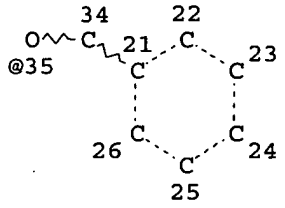
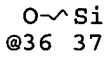




G1 @38





subset search done on this structure

VAR G1=36/OH/35
REP G2=(0-2) C
VPA 38-10/12/13/14 U
VPA 33-10/12/13/14 U
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 38

STEREO ATTRIBUTES: NONE
L9 1 SEA FILE=REGISTRY SUB=L5 SSS FUL L7

100.0% PROCESSED 2 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

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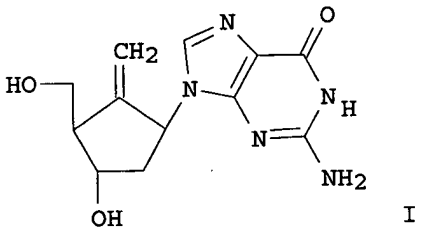
L10 6 L9

=> dup rem l10
PROCESSING COMPLETED FOR L10

L11 5 DUP REM L10 (1 DUPLICATE REMOVED)
ANSWERS '1-3' FROM FILE CAPLUS
ANSWERS '4-5' FROM FILE USPATFULL

=> d ibib ed abs hitstr 1-5; fil cao; s l9

L11 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 1997:123302 CAPLUS
DOCUMENT NUMBER: 126:225503
TITLE: BMS-200475, a novel carbocyclic 2'-deoxyguanosine analog with potent and selective anti-hepatitis B virus activity in vitro
AUTHOR(S): Bisacchi, G. S.; Chao, S. T.; Bachard, C.; Daris, J. P.; Innaimo, S.; Jacobs, G. A.; Kocy, O.; Lapointe, P.; Martel, A.; et al.
CORPORATE SOURCE: Bristol-Myers Squibb Pharmaceutical Research Institute, Princeton, NJ, 08543-4000, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (1997), 7(2), 127-132
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 126:225503
ED Entered STN: 22 Feb 1997
GI



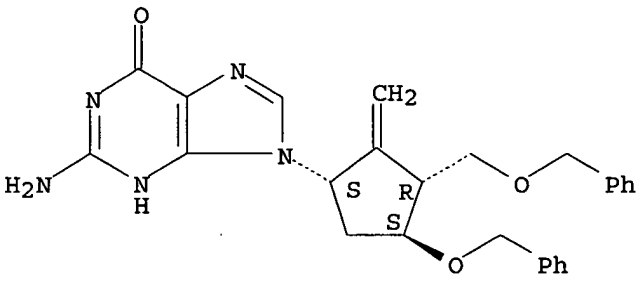
I

AB BMS-200475, a novel carbocyclic analog I of 2'-deoxyguanosine, is a potent inhibitor of hepatitis B virus in vitro (ED50 = 3 nM) with relatively low cytotoxicity (CC50 = 21-120 .mu.M). A practical 10-step asym. synthesis was developed affording BMS-200475 in 18% overall chem. yield and >99% optical purity. The enantiomer of BMS-200475 as well as the adenine, thymine, and iodouracil analogs are much less active.

IT **142217-81-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of carbocyclic deoxyguanosine analog with potent and selective anti-hepatitis B virus activity in vitro)

RN 142217-81-0 CAPLUS
CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[2-methylene-4-(phenylmethoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-, [1S-(1.alpha.,3.alpha.,4.beta.)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

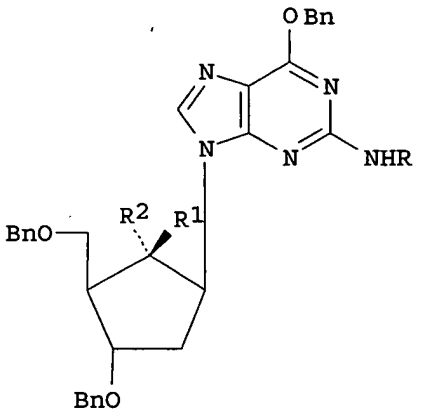


REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:175923 CAPLUS
DOCUMENT NUMBER: 128:244287
TITLE: Improved process for preparing the antiviral agent [1S-(1.alpha.,3.alpha.,4.beta.)]-2-amino-1,9-dihydro-9-[4-hydroxy-3-(hydroxymethyl)-2-methylene-cyclopentyl]-6h-purin-6-one
INVENTOR(S): Bisacchi, Gregory S.; Sundeen, Joseph E.
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9809964	A1	19980312	WO 1997-US15007	19970826
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9740906	A1	19980326	AU 1997-40906	19970826

PRIORITY APPLN. INFO.: US 1996-25378P P 19960903
WO 1997-US15007 W 19970826
OTHER SOURCE(S): CASREACT 128:244287; MARPAT 128:244287
ED Entered STN: 25 Mar 1998
GI



I

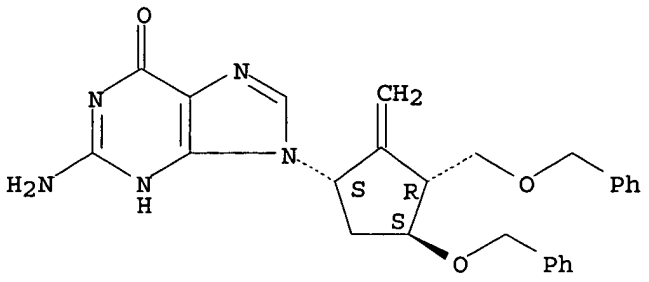
AB Improvements in the yield of the antiviral agent cyclopentylpurinone carbocyclic nucleosides I (R = trityl protecting group; R1R2 = O) are obtained by employing Dess-Martin periodinane to convert the cyclopentol I (R = trityl protecting group; R1 = H, R2 = OH) and the methylenation of this cyclopentanone by use of a Nysted reagent, Tebbe reagent, or a reagent prepd. from zinc powder, diiodomethane, lead powder or lead chloride, and titanium tetrachloride in a suitable solvent. Thus, [1S-(1.alpha.,3.alpha.,4.beta.)]-2-amino-1,9-dihydro-9-[4-hydroxy-3-(hydroxymethyl)-2-methylene-cyclopentyl]-6H-purin-6-one monohydrate was prepd. via Dess-Martin periodinane oxidn. and methylenation of this cyclopentanone by use of a Nysted reagent, Tebbe reagent.

IT **142217-81-0P**
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(improved process for prepg. the antiviral agent aminohydroxymethylcyclopentylpurinone via Dess-Martin periodinane and methylenation reactions)

RN 142217-81-0 CAPLUS

CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[2-methylene-4-(phenylmethoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-, [1S-(1.alpha.,3.alpha.,4.beta.)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:449162 CAPLUS
DOCUMENT NUMBER: 117:49162
TITLE: Preparation of [hydroxymethyl

(methylenecyclopentyl)]purines and pyrimidines as virucides
INVENTOR(S): Zahler, Robert; Slusarchyk, William A.
PATENT ASSIGNEE(S): E. R. Squibb and Sons, Inc., USA
SOURCE: Eur. Pat. Appl., 59 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 481754	A2	19920422	EP 1991-309525	19911016
EP 481754	A3	19920916		
EP 481754	B1	19970820		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5206244	A	19930427	US 1991-763033	19910920
ZA 9107894	A	19930331	ZA 1991-7894	19911002
AU 9185598	A1	19920430	AU 1991-85598	19911004
AU 634423	B2	19930218		
CA 2053339	AA	19920419	CA 1991-2053339	19911011
CA 2053339	C	20010529		
IL 99755	A1	19960804	IL 1991-99755	19911015
AT 157095	E	19970915	AT 1991-309525	19911016
ES 2104673	T3	19971016	ES 1991-309525	19911016
SG 70958	A1	20000321	SG 1996-2080	19911016
NO 9104089	A	19920421	NO 1991-4089	19911017
NO 179906	B	19960930		
NO 179906	C	19970108		
HU 59109	A2	19920428	HU 1991-3283	19911017
HU 213207	B	19970328		
RU 2037496	C1	19950619	RU 1991-5001946	19911017
FI 9104928	A	19920419	FI 1991-4928	19911018
CN 1061972	A	19920617	CN 1991-110831	19911018
CN 1030916	B	19960207		
JP 04282373	A2	19921007	JP 1991-271121	19911018
JP 2994117	B2	19991227		
PL 169403	B1	19960731	PL 1991-292101	19911018
US 5340816	A	19940823	US 1993-4006	19930115

PRIORITY APPLN. INFO.: US 1990-599568 A 19901018
US 1991-763033 A3 19910920
OTHER SOURCE(S): MARPAT 117:49162
ED Entered STN: 08 Aug 1992
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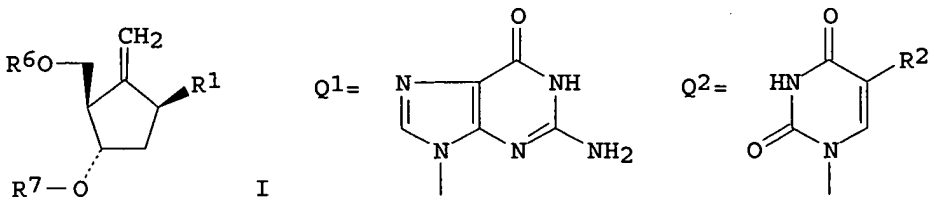

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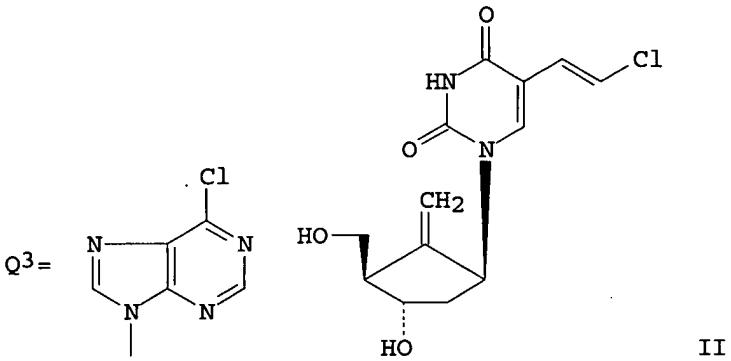


II

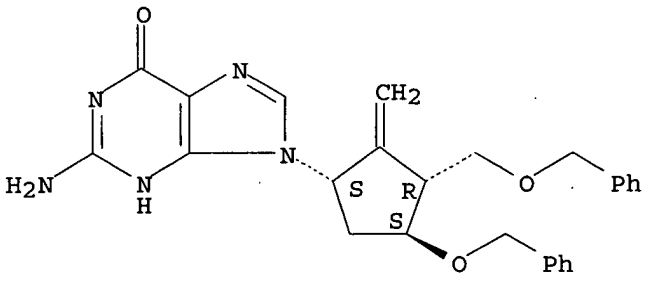
AB Title compds. [I; R1 = Q1-Q3, etc.; R2 = F, Cl, Br, iodo, H, Me, CF3, Et, Pr, FCH2CH2, ClCH2CH2, HC.tplbond.C, trans-HC:CHR3; R3 = Cl, Br, iodo, H, Me, CF3; R6, R7 = H, PO3H2, COR5; R5 = H, aryl, (substituted) alkyl], were prepd. Thus, [1(S)-[1.alpha.(E),2.beta.,3.alpha.,4.beta.]]-3-[1,2,3,4-tetrahydro-1-[2-hydroxy-4-(phenylmethoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-2,4-dioxo-5-pyrimidinyl]-2-propenoic acid (prepn. starting from cyclopentadiene, PhCH2OCH2Cl, and (-)-diisopinocampheylborane given) was stirred 17 h with KHCO3 and N-chlorosuccinimide in DMF to give a (E)-chloroethenylpyrimidine deriv., which was oxidized to the cyclopentanone with DCC/Me2SO. This was methylenated with Zn/TiCl4/CH2Br2 in THF and the product was deprotected with BCl3 in CH2Cl2 at -78.degree. to give title compd. II. II inhibited Herpes simplex type 1 schooler strain in MT-2 cells with ID50 = 0.07-0.16 .mu.M.

IT **142217-81-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for virucide)

RN 142217-81-0 CAPLUS

CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[2-methylene-4-(phenylmethoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-, [1S-(1.alpha.,3.alpha.,4.beta.)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L11 ANSWER 4 OF 5 USPATFULL on STN

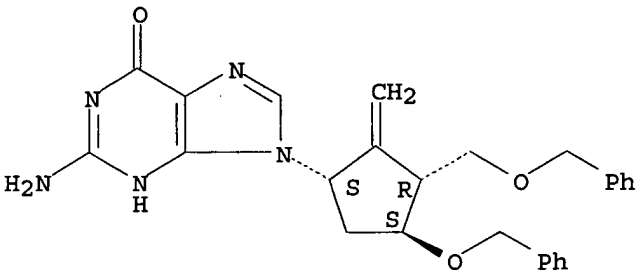
ACCESSION NUMBER: 94:73303 USPATFULL
TITLE: Hydroxymethyl(methylenecyclopentyl) purines and pyrimidines
INVENTOR(S): Zahler, Robert, Pennington, NJ, United States
Slusarchyk, William A., Skillman, NJ, United States
PATENT ASSIGNEE(S): E. R. Squibb & Sons, Inc., Princeton, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5340816		19940823
APPLICATION INFO.:	US 1993-4006		19930115 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1991-763033, filed on 20 Sep 1991, Pat. No. US 5206244 which is a continuation-in-part of Ser. No. US 1990-599568, filed on 18 Oct 1990, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Tsang, Cecilia
LEGAL REPRESENTATIVE: Davis, Stephen B.
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
LINE COUNT: 1860
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Antiviral activity is exhibited by compounds having the formula ##STR1## and its pharmaceutically acceptable salts.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **142217-81-0P**
(prepn. of, as intermediate for virucide)
RN 142217-81-0 USPATFULL
CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[2-methylene-4-(phenylmethoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-, [1S-(1.alpha.,3.alpha.,4.beta.)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



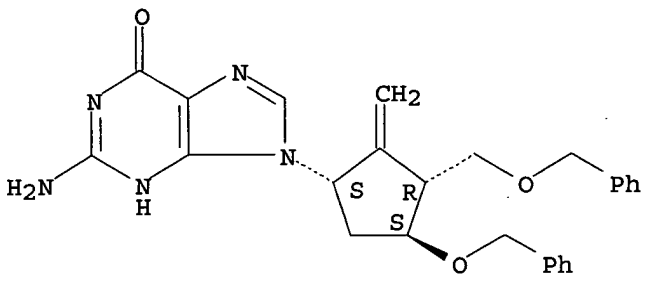
L11 ANSWER 5 OF 5 USPATFULL on STN
ACCESSION NUMBER: 93:33497 USPATFULL
TITLE: Hydroxymethyl (methylenecyclopentyl) purines and pyrimidines
INVENTOR(S): Zahler, Robert, Pennington, NJ, United States
Slusarchyk, William A., Skillman, NJ, United States
PATENT ASSIGNEE(S): E. R. Squibb & Sons, Inc., Princeton, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5206244		19930427

APPLICATION INFO.: US 1991-763033 19910920 (7)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1990-599568, filed on 18 Oct 1990, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Tsang, Cecilia
LEGAL REPRESENTATIVE: Davis, Stephen B.
NUMBER OF CLAIMS: 11
EXEMPLARY CLAIM: 1,10
LINE COUNT: 1841
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Antiviral activity is exhibited by compounds having the formula ##STR1## and its pharmaceutically acceptable salts.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **142217-81-0P**
(prepn. of, as intermediate for virucide)
RN 142217-81-0 USPATFULL
CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[2-methylene-4-(phenylmethoxy)-3-[(phenylmethoxy)methyl]cyclopentyl]-, [1S-(1.alpha.,3.alpha.,4.beta.)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

L12 0 L9

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=> fil beil; d stat que l14
FILE 'BEILSTEIN' ENTERED AT 14:49:33 ON 20 MAY 2004
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licensed to Beilstein GmbH and MDL Information Systems GmbH

FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON MARCH 30,2004

FILE COVERS 1771 TO 2003.
*** FILE CONTAINS  8,932,479 SUBSTANCES ***

>>> PLEASE NOTE: Reaction data and substance data are stored in
    separate documents and can not be searched together in one
    query.
    Reaction data for BEILSTEIN compounds may be displayed
    immediately with the display codes PRE (preparations) and REA
    (reactions). A substance answer set retrieved after the search
    for a chemical name, a molecular formula or a structure search
    for example can be restricted to compounds with available
    reaction information by concatenation with PRE/FA, REA/FA or
    more general with RX/FA. The BEILSTEIN Registry Number (BRN)
    is the link between a BEILSTEIN compound and belonging reactions.
    For more detailed reaction searches BRNs can be selected from
    substance answer sets and searched in the next step as reaction
    partner BRNs - Reactant (RX.RBRN) or Product BRN (RX.PBRN).
    After a search for reaction details substance documents
    associated with reactants or products may be retrieved by
    searching RX.PBRNs or RX.RBRNs as BRNs. <<<


>>> FOR SEARCHING PREPARATIONS SEE HELP PRE  <<<

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* FOR PRICE INFORMATION SEE HELP COST                               *
*********************************************************************


L7              STR
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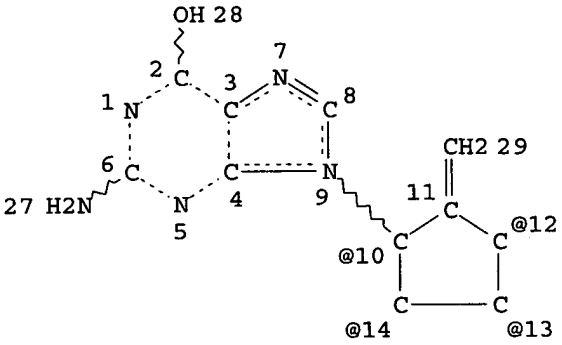
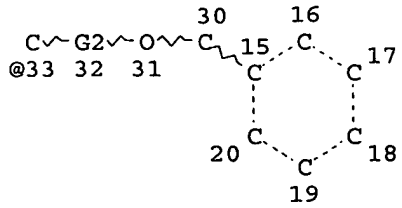
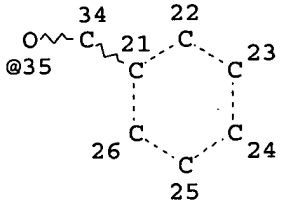
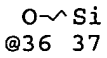




G1 @38





VAR G1=36/OH/35
REP G2=(0-2) C
VPA 38-10/12/13/14 U
VPA 33-10/12/13/14 U
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 38

STEREO ATTRIBUTES: NONE
L14 2 SEA FILE=BEILSTEIN SSS FUL L7

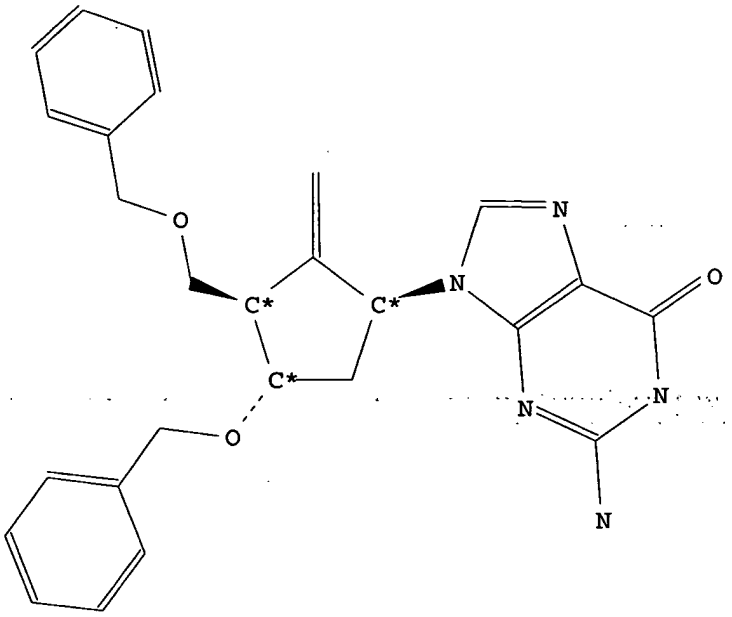
100.0% PROCESSED 8 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.07

=> d ide pre l14 1-2; fil hom

L14 ANSWER 1 OF 2 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL on STN

Beilstein Records (BRN):	7696728
Chemical Name (CN):	2-amino-9-(4-benzyloxy-3-benzyloxymethyl-2-methylene-cyclopentyl)-1,9-dihydro-purin-6-one
Autonom Name (AUN):	2-amino-9-(4-benzyloxy-3-benzyloxymethyl-2-methylene-cyclopentyl)-1,9-dihydro-purin-6-one
Molec. Formula (MF):	C26 H27 N5 O3
Molecular Weight (MW):	457.53
Lawson Number (LN):	30733, 15164, 5228
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic

Constitution ID (CONSID): 6539318
Tautomer ID (TAUTID): 7239999
Beilstein Citation (BSO): 6-26
Entry Date (DED): 1997/07/31
Update Date (DUPD): 1998/03/04



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	3
FS	File Segment	1
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	2
RXREA	Substance is Reaction Reactant	1
RXPRO	Substance is Reaction Product	1

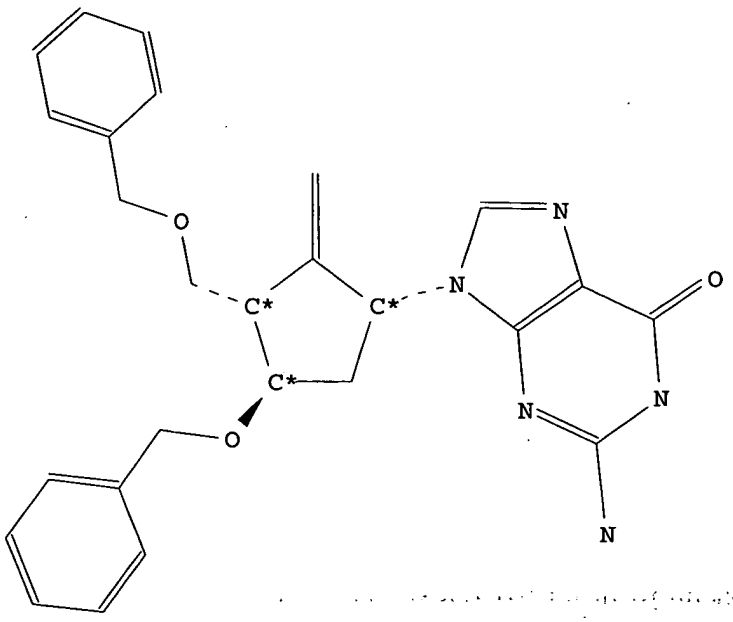
Reaction:
RX
Reaction ID (.ID): 4656452

Reactant BRN (.RBRN): 7685361
Reactant (.RCT): <6-benzyloxy-9-(4-benzyloxy-3-benzyloxymethyl-2-methylene-cyclopentyl)-9H-purin-2-yl>-<(4-methoxy-phenyl)-diphenyl-methyl>-amine
Product BRN (.PBRN): 7696728
Product (.PRO): 2-amino-9-(4-benzyloxy-3-benzyloxymethyl-2-methylene-cyclopentyl)-1,9-dihydro-purin-6-one
No. of React. Details (.NVAR): 1

Reaction Details:
RX
Reaction RID (.RID): 4656452.1
Reaction Classification (.CL): Preparation
Yield (.YDT): 92 percent (BRN=7696728)
Reagent (.RGT): aq. HCl
Solvent (.SOL): tetrahydrofuran, methanol
Temperature (.T): 55 Cel
Reference(s):
1. Bisacchi, G. S.; Chao, S. T.; Bachard, C.; Daris, J. P.; Innaimo, S.; et al., Bioorg.Med.Chem.Lett., CODEN: BMCLE8, 7(2), <1997>, 127-132; BABS-6047553

L14 ANSWER 2 OF 2 BEILSTEIN COPYRIGHT 2004 BEILSTEIN MDL on STN

Beilstein Records (BRN): 7696727
Chemical Name (CN): 2-amino-9-(4-benzyloxy-3-benzyloxymethyl-2-methylene-cyclopentyl)-1,9-dihydro-purin-6-one
Autonom Name (AUN): 2-amino-9-(4-benzyloxy-3-benzyloxymethyl-2-methylene-cyclopentyl)-1,9-dihydro-purin-6-one
Molec. Formula (MF): C26 H27 N5 O3
Molecular Weight (MW): 457.53
Lawson Number (LN): 30733, 15164, 5228
File Segment (FS): Stereo compound
Compound Type (CTYPE): heterocyclic
Constitution ID (CONSID): 6539318
Tautomer ID (TAUTID): 7239998
Beilstein Citation (BSO): 6-26
Entry Date (DED): 1997/07/31
Update Date (DUPD): 1998/03/04



Field Availability:

Code	Name	Occurrence
BRN	Beilstein Records	1
CN	Chemical Name	1
AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	3
FS	File Segment	1
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
ED	Entry Date	1
UPD	Update Date	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	2
RXREA	Substance is Reaction Reactant	1
RXPRO	Substance is Reaction Product	1

Reaction:
RX

Reaction ID (.ID):	4656451
Reactant BRN (.RBRN):	7685360
Reactant (.RCT):	<6-benzyloxy-9-(4-benzyloxy-3-benzyloxymethyl-2-methylene-cyclopentyl)-9H-purin-2-yl>-<(4-methoxy-phenyl)-diphenyl-methyl>-amine
Product BRN (.PBRN):	7696727
Product (.PRO):	2-amino-9-(4-benzyloxy-3-benzyloxymethyl-2-

methylene-cyclopentyl)-1,9-dihydro-purin-6-one

No. of React. Details (.NVAR): 1

Reaction Details:
RX

Reaction RID (.RID): 4656451.1
Reaction Classification (.CL): Preparation
Reagent (.RGT): aq. HCl
Solvent (.SOL): tetrahydrofuran, methanol
Temperature (.T): 55 Cel

Reference(s):

1. Bisacchi, G. S.; Chao, S. T.; Bachard, C.; Daris, J. P.; Innaimo, S.; et al., Bioorg.Med.Chem.Lett., CODEN: BMCLE8, 7(2), <1997>, 127-132; BABS-6047553

FILE 'HOME' ENTERED AT 14:50:24 ON 20 MAY 2004